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L Number	Hits	Search Text	DB	Time stamp
1	1006	(first adj2 (brake or braking) adj2 pedal with second adj2 (brake or braking) adj2 pedal) or (brake or braking) adj2 pedals!	USPAT	2004/07/21 13:07
2	104	((first adj2 (brake or braking) adj2 pedal with second adj2 (brake or braking) adj2 pedal) or (brake or braking) adj2 pedals!) and 303/\$.ccls.	USPAT	2004/07/21 13:07
-	0	CARLSSON and VIGHOLM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/21 12:08
-	8	"9801672"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:26
-	1	2000-053469.NRAN.	DERWENT	2002/01/24 07:25
-	0	b60t001/06,13/22.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:27
-	0	b60t001/06,013/22.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:27
-	2831	b60t001/06.ipc. b60t013/22.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:27
-	2124	f16d059/02.ipc. f16d063/00.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:28
-	2686	f16h057/10.ipc. f16h057/12.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:28
-	7503	b60t001/06.ipc. b60t013/22.ipc.) (f16d059/02.ipc. f16d063/00.ipc.) (f16h057/10.ipc. f16h057/12.ipc.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:28
-	174	((b60t001/06.ipc. b60t013/22.ipc.) (f16d059/02.ipc. f16d063/00.ipc.) (f16h057/10.ipc. f16h057/12.ipc.)) and lock\$3 near2 shaft	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:52
-	3	((b60t001/06.ipc. b60t013/22.ipc.) (f16d059/02.ipc. f16d063/00.ipc.) (f16h057/10.ipc. f16h057/12.ipc.)) and lock\$3 near2 (output adj shaft) same ((stop\$5 or brak\$3 or lock\$3) near2 rotation adj4 shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 07:56
-	46	((b60t001/06.ipc. b60t013/22.ipc.) (f16d059/02.ipc. f16d063/00.ipc.) (f16h057/10.ipc. f16h057/12.ipc.)) and lock\$3 near2 (output adj shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 08:02
-	2	5964335.URPN.	USPAT	2002/01/24 07:59
-	5	("4585103"   "4606242"   "4610337"   "4614256"   "5964335").PN.	USPAT	2002/01/24 08:01

	1	((b60t001/06.ipc. b60t013/22.ipc.) (f16d059/02.ipc. f16d063/00.ipc.) (f16h057/10.ipc. f16h057/12.ipc.)) and lock\$3 near2 (output adj shaft) and (sens\$5 near3 rotation same shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 08:04
	0	188/31,69.ccls. and lock\$3 near2 (output adj shaft) and (sens\$5 near3 rotation same shaft)	USPAT; US-PGPUB	2002/01/24 08:45
	876	188/31,69.ccls.	USPAT; US-PGPUB	2002/01/24 08:09
	650	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft)	USPAT; US-PGPUB	2002/01/24 09:33
	3480	clutch same gear same (brak\$3 or lock\$4) same (output adj shaft)	USPAT; US-PGPUB	2002/01/24 08:11
	36	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft) and vehicle near4 stationary	USPAT; US-PGPUB	2002/01/24 08:13
	9	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft) and vehicle near4 stationary same (output adj shaft)	USPAT; US-PGPUB	2002/01/24 08:12
	2	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft) and vehicle near4 parked same (output adj shaft)	USPAT; US-PGPUB	2002/01/24 08:13
	5	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft) and vehicle near4 parked	USPAT; US-PGPUB	2002/01/24 08:13
	1847	(output adj shaft) same (stop\$5 or stationary) same (brak\$4 or lock\$4) same (gear or clutch)	USPAT; US-PGPUB	2002/01/24 08:15
	763	clutch same gear\$3 same brak\$3 same lock\$4 same (output adj shaft)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 08:16
	191	clutch.clm. and gear\$3.clm. and brak\$3.clm. and lock\$4.clm. and (output.clm. adj shaft.clm.)	USPAT; US-PGPUB	2002/01/24 08:17
	25	clutch.clm. and gear\$3.clm. and brak\$3.clm. and lock\$4.clm. and (output.clm. adj shaft.clm.) and (stop\$4 or brak\$4 or lock\$3) near3 rotation adj4 shaft	USPAT; US-PGPUB	2003/01/27 13:50
	0	188/31,69.ccls. and (output adj shaft) and (sens\$5 near3 rotation same shaft)	USPAT; US-PGPUB	2002/01/24 08:45
	0	(output adj shaft) and (sens\$5 near3 rotation same shaft) same pawl same (groove or slot) same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 08:47
	114	brak\$3 same (output adj shaft) same clutch same gear\$4 and ((locking or braking) adj (element or member or pawl))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 08:55
	105	(brak\$3 same (output adj shaft) same clutch same gear\$4 and ((locking or braking) adj (element or member or pawl)))	USPAT	2002/01/24 08:56
	53	(output adj shaft) near3 standstill	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 08:59
	0	(output.ab adj shaft.ab.) same brak\$4.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:01
	4768	(output.ab. adj shaft.ab.) same brak\$4.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:01
	2885	((output.ab. adj shaft.ab.) same brak\$4.ab.) and (b60t\$.ipc. or f16h\$.ipc. or f16d\$.ipc.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:02

-	497	((output.ab. adj shaft.ab.) same brak\$4.ab.) and lock\$.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:11
-	9	188/31,69.ccls. and control adj unit	USPAT	2002/01/24 09:18
-	11	("1210288"   "2817418"   "2996154"   "3545628"   "3664515"   "3739652"   "3819018"   "3877549"   "5046534"   "5176267"   "6010018").PN.	USPAT	2002/01/24 09:19
-	0	6199442.URPN.	USPAT	2002/01/24 09:20
-	163	((output.ab. adj shaft.ab.) same brak\$4.ab.) and lock\$.ab. and clutch.ab. and gear.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:22
-	38	((output.ab. adj shaft.ab.) same brak\$4.ab.) and lock\$.ab. and clutch.ab. and gear.ab. and brak\$.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:29
-	9	(locking adj element) near4 (output adj shaft)	USPAT	2002/01/24 09:31
-	9	(method or process) same (sensing adj3 rotation adj4 (output adj shaft))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 09:34
-	18	(clutch same gear same brak\$3 same lock\$4) same (output adj shaft) and 188/\$.ccls.	USPAT; US-PGPUB	2002/01/24 09:36
-	911	188/31.ccls. or 188/69.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/24 10:26
-	75	192/219.5.ccls.	USPAT	2002/01/24 09:42
-	49	192/220.4.ccls.	USPAT	2002/01/24 09:43
-	11	("1210288"   "2817418"   "2996154"   "3545628"   "3664515"   "3739652"   "3819018"   "3877549"   "5046534"   "5176267"   "6010018").PN.	USPAT	2002/01/24 10:24
-	876	188/31.ccls. or 188/69.ccls.	USPAT; US-PGPUB	2002/01/24 10:26
-	112	(188/31.ccls. or 188/69.ccls.) and shaft same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 10:31
-	5203	192/\$.ccls. and shaft same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 10:32
-	1685	192/\$.ccls. and (output adj shaft) same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 10:40
-	277	(192/219\$.ccls. or 192/22\$3.ccls.) and (output adj shaft) same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 10:36
-	55	74/411.5.ccls. and (output adj shaft) same (lock\$4 or brak\$4)	USPAT; US-PGPUB	2002/01/24 10:36
-	33	192/\$.ccls. and (output adj shaft) same (lock\$4 or brak\$4) and 188/31,69.ccls.	USPAT; US-PGPUB	2002/01/24 10:42
-	28	74/411.5.ccls. and 188/31,69.ccls.	USPAT; US-PGPUB	2002/01/24 10:42
-	0	CARLSSON and VIGHOLM	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/27 13:51
-	29	clutch.clm. and gear\$3.clm. and brak\$3.clm. and lock\$4.clm. and (output.clm. adj shaft.clm.) and (stop\$4 or brak\$4 or lock\$3) near3 rotation adj4 shaft	USPAT; US-PGPUB	2003/01/27 13:56
-	71	188/31.CCLS. AND 192/\$.CCLS.	USPAT; US-PGPUB	2003/01/27 13:56

-	5	CARLSSON.in. and VIGHOLM.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/21 12:19
-	5	CARLSSON.in. and VIGHOLM.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/21 12:19
-	5	("5696679"   "5704457"   "5879111"   "5964335"   "6199442").PN.	USPAT	2004/07/21 12:19
-	7	volvo.asn. and brak\$4 near3 pedals!	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/21 12:29

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-	40 2018	first adj2 (brake or braking) adj2 pedal with second adj2 (brake or braking) adj2 pedal (first adj2 (brake or braking) adj2 pedal with second adj2 (brake or braking) adj2 pedal) or (brake or braking) adj2 pedals!	USPAT; US-PGPUB USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/07/21 12:48 2004/07/21 13:06
-	6131	double adj check adj valve or shuttle adj valve	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	2004/07/21 12:50
-	42	((first adj2 (brake or braking) adj2 pedal with second adj2 (brake or braking) adj2 pedal) or (brake or braking) adj2 pedals!) and (double adj check adj valve or shuttle adj valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/07/21 12:50
-	26	("3945685"   "3945691"   "4010983"   "4030560"   "4074782"   "4139238"   "4260197"   "4380249"   "4399896"   "4498710"   "4553789"   "4609230"   "4629256"   "4691968"   "4880282"   "4949805"   "4962825"   "5161862"   "5354123"   "5380073"   "5407033"   "5456523"   "5531512"   "5735314"   "5778672"   "5802853").PN.	USPAT	2004/07/21 12:53

PLUS 7/21/04

Butler, Douglas

**From:** PLUS  
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Here are the PLUS search results for 10604904.

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10604904\_QUAL.txt



10604904\_LIST.txt



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## 10604904\_LIST

10604904

PLUS Search Results for S/N 10604904, Searched June 14, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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5927324  
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5941361  
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6021757  
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6155293  
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6199650  
H001953  
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10604904\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10604904 on June 14, 2004

Original Classifications

4 192/12C  
4 192/18A  
3 137/596.16  
3 180/6.2  
3 192/3.23  
3 303/116.4  
2 73/146  
2 100/88  
2 123/400  
2 139/452  
2 187/292  
2 192/220.1  
2 242/421.6  
2 303/119.2  
2 303/3  
2 418/55.5  
2 475/83

Cross-Reference Classifications

6 192/221  
5 188/170  
3 91/424  
3 418/57  
3 477/199  
2 56/11.3  
2 56/341  
2 60/413  
2 60/448  
2 60/591  
2 68/12.14  
2 68/12.16  
2 74/501.6  
2 74/733.1  
2 137/596.17  
2 180/244  
2 180/417  
2 180/441  
2 180/442  
2 187/393  
2 192/129B  
2 192/12C  
2 192/150  
2 192/18A  
2 192/3.3  
2 192/3.58  
2 192/88B  
2 251/26  
2 303/119.2  
2 303/84.2  
2 303/DIG 10  
2 418/14  
2 475/141

Combined Classifications

6 192/12C  
6 192/18A  
6 192/221  
5 188/170  
4 91/424  
4 303/119.2  
4 477/199  
3 60/413  
3 123/400  
3 137/596.16  
3 180/6.2  
3 192/3.23  
3 303/116.4  
3 303/3  
3 418/57  
2 56/11.3  
2 56/341  
2 60/403  
2 60/418  
2 60/448  
2 60/591  
2 68/12.12  
2 68/12.14  
2 68/12.16  
2 68/23.5  
2 68/23.7  
2 73/146  
2 74/501.6  
2 74/731.1  
2 74/733.1  
2 91/6  
2 100/88  
2 123/398  
2 137/596.17  
2 139/452  
2 180/244  
2 180/417  
2 180/441  
2 180/442  
2 187/292  
2 187/393  
2 188/196A  
2 188/72.4  
2 192/129B  
2 192/150  
2 192/220.1  
2 192/3.3  
2 192/3.58  
2 192/88B  
2 242/421.6  
2 251/26  
2 303/84.2  
2 303/DIG 10  
2 418/14  
2 418/55.5  
2 475/141  
2 475/83  
2 477/200

10604904\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10604904 on June 14, 2004

6 192/12C (4 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/12R CLUTCH AND BRAKE  
192/12C .Fluid operator

6 192/18A (4 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/12R CLUTCH AND BRAKE  
192/18R .Sliding operation  
192/18A ..Fluid operator

6 192/221 (0 OR, 6 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/215 TRANSMISSION AND BRAKE  
192/218 .Motor vehicle  
192/221 ..Fluid operated

5 188/170 (0 OR, 5 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/166 .Spring  
188/170 ..Fluid-pressure release

4 91/424 (1 OR, 3 XR)  
Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE  
91/418 WITH MOTIVE FLUID VALVE  
91/424 .Two hand control

4 303/119.2 (2 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/113.1 .Having a valve system responsive to a wheel lock signal  
303/119.1 ..System controlled by solenoid valve  
303/119.2 ...System solenoid valve detail

4 477/199 (1 OR, 3 XR)  
Class 477 : INTERRELATED POWER DELIVERY CONTROLS,  
INCLUDING ENGINE CONTROL  
477/182 BRAKE CONTROL  
477/199 .Brake engaged when engine energy deactivated,  
brake disengaged when engine energy is activated

3 60/413 (1 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/413 .With control means for structure storing work driving energy (e.g., accumulator, etc.)

3 123/400 (2 OR, 1 XR)  
Class 123 : INTERNAL-COMBUSTION ENGINES  
123/319 ENGINE SPEED REGULATOR  
123/395 .Open loop condition responsive  
123/400 ..Mechanical connection between input and speed regulator

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3 137/596.16 (3 OR, 0 XR)  
Class 137 : FLUID HANDLING  
137/561R SYSTEMS  
137/596 .Supply and exhaust  
137/596.14 ..Pilot-actuated  
137/596.16 ...Electric

3 180/6.2 (3 OR, 0 XR)  
Class 180 : MOTOR VEHICLES  
180/6.2 STEERING BY DRIVING

3 192/3.23 (3 OR, 0 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/3.21 VORTEX-FLOW DRIVE AND CLUTCH  
192/3.23 .With brake

3 303/116.4 (3 OR, 0 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/113.1 .Having a valve system responsive to a wheel lock signal  
303/116.4 ..System pump structure detail

3 303/3 (2 OR, 1 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/2 MULTIPLE SYSTEMS  
303/3 .Fluid pressure and electric

3 418/57 (0 OR, 3 XR)  
Class 418 : ROTARY EXPANSIBLE CHAMBER DEVICES  
418/54 WORKING MEMBER HAS PLANETARY OR PLANETATING MOVEMENT  
418/57 .Adjustable or resiliently biased working member

2 56/11.3 (0 OR, 2 XR)  
Class 056 : HARVESTERS  
56/10.1 MOTORIZED HARVESTER  
56/10.8 .With selective control of drive means  
56/11.3 ..By brake and disengageable drive (e.g., clutch)

2 56/341 (0 OR, 2 XR)  
Class 056 : HARVESTERS  
56/341 RAKING AND BUNDLING

2 60/403 (1 OR, 1 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/403 .Apparatus having means responsive to or ameliorating the effects of breakage, plugging, mechanical failure or power failure

2 60/418 (1 OR, 1 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/413 .With control means for structure storing work

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driving energy (e.g., accumulator, etc.)  
60/418 ..Control by sensor of accumulator condition

2 60/448 (0 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/445 .Condition responsive control of pump or motor  
displacement  
60/448 ..By means sensing rotational speed of output  
motor

2 60/591 (0 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/591 ..Having valve, director, or restrictor in  
pulse fluid flow path

2 68/12.12 (1 OR, 1 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/12.01 .Single tub and automatic sequential operation  
mechanism  
68/12.12 ..Special cycle specified (e.g., prewash cycle,  
permanent press cycle, etc.)

2 68/12.14 (0 OR, 2 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/12.01 .Single tub and automatic sequential operation  
mechanism  
68/12.14 ..Dewatering detail

2 68/12.16 (0 OR, 2 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/12.01 .Single tub and automatic sequential operation  
mechanism  
68/12.16 ..Motor control circuitry detail

2 68/23.5 (1 OR, 1 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/13R .Combined  
68/19 ..With liquid extractor  
68/23R ...Centrifugal extractor (e.g., centrifuge)  
68/23.5 ....Including fluid supply means

2 68/23.7 (1 OR, 1 XR)  
Class 068 : TEXTILES: FLUID TREATING APPARATUS  
68/3R MACHINES  
68/13R .Combined  
68/19 ..With liquid extractor  
68/23R ...Centrifugal extractor (e.g., centrifuge)  
68/23.6 ....Including impulsing means (e.g., agitator)  
within and independent of centrifuge  
68/23.7 .....Oscillating type

2 73/146 (2 OR, 0 XR)

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Class 073 : MEASURING AND TESTING  
73/146 TIRE, TREAD OR ROADWAY

2 74/501.6 (0 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/469 CONTROL LEVER AND LINKAGE SYSTEMS  
74/491 .Hand operated  
74/500.5 ..Flexible transmitter (e.g., Bowden cable)  
74/501.6 ...And hand operator

2 74/731.1 (1 OR, 1 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/640 GEARING  
74/730.1 .With fluid drive  
74/731.1 ..Condition responsive control

2 74/733.1 (0 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/640 GEARING  
74/730.1 .With fluid drive  
74/732.1 ..With one or more controllers for gearing,  
fluid drive, or clutch  
74/733.1 ...With interrelated controls

2 91/6 (1 OR, 1 XR)  
Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE  
91/6 FLUID SUPPLY THROUGH DIVERSE PATHS TO SINGLE  
EXPANSIBLE CHAMBER

2 100/88 (2 OR, 0 XR)  
Class 100 : PRESSES  
100/70R WITH ADDITIONAL TREATMENT OF MATERIAL  
100/76 .Winding or folding sheet, web or strand  
100/88 ..Between opposed belts

2 123/398 (1 OR, 1 XR)  
Class 123 : INTERNAL-COMBUSTION ENGINES  
123/319 ENGINE SPEED REGULATOR  
123/395 .Open loop condition responsive  
123/396 ..Resistance or override acts on input  
connection to regulator  
123/398 ...Throttle position lock

2 137/596.17 (0 OR, 2 XR)  
Class 137 : FLUID HANDLING  
137/561R SYSTEMS  
137/596 .Supply and exhaust  
137/596.17 ..Motor

2 139/452 (2 OR, 0 XR)  
Class 139 : TEXTILES: WEAVING  
139/116.1 WEFT MANIPULATION  
139/429 .Weaving with stationary weft supply  
139/450 ..Weft handling  
139/452 ...Measuring or storing

2 180/244 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/233 HAVING FOUR WHEELS DRIVEN

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180/244 .With means for braking either (1) one or more driven wheels or (2) structure transmitting drive to wheel

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2 180/417 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/400 STEERING GEAR  
180/417 .With fluid power assist

2 180/441 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/400 STEERING GEAR  
180/417 .With fluid power assist  
180/441 ..Device to control pressure (e.g., valve)

2 180/442 (0 OR, 2 XR)  
Class 180 : MOTOR VEHICLES  
180/400 STEERING GEAR  
180/417 .With fluid power assist  
180/442 ..Hydraulic circuit

2 187/292 (2 OR, 0 XR)  
Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR  
STATIONARY LIFT FOR VEHICLE  
187/250 HAVING SPECIFIC LOAD SUPPORT DRIVE-MEANS OR ITS  
CONTROL  
187/276 .Includes control for power source of  
drive-means  
187/277 ..With specific electrical component  
187/289 ...For electric power source  
187/292 ....With means for stopping vibration or bump  
start

2 187/393 (0 OR, 2 XR)  
Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR  
STATIONARY LIFT FOR VEHICLE  
187/391 WITH MONITORING, SIGNALLING, AND INDICATING  
MEANS  
187/393 .Monitors operational parameter

2 188/196A (1 OR, 1 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196A ..Fluid

2 188/72.4 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston

2 192/129B (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/116.5 STOP MECHANISM  
192/129R .Safety device

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192/129B .. Pneumatic

2 192/150 (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/116.5 . STOP MECHANISM  
192/150 . Overload release

2 192/220.1 (2 OR, 0 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/215 TRANSMISSION AND BRAKE  
192/218 . Motor vehicle  
192/220 .. Brake control affects transmission change  
192/220.1 ... Brake application neutralizes transmission

2 192/3.3 (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/3.21 VORTEX-FLOW DRIVE AND CLUTCH  
192/3.28 . Including drive-lockup clutch  
192/3.29 .. Having fluid-pressure operator  
192/3.3 ... With auxiliary source of pressure

2 192/3.58 (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/3.51 TRANSMISSION CONTROL AND CLUTCH CONTROL  
192/3.54 . Common control  
192/3.55 .. Power-operated clutch  
192/3.57 ... Fluid-press operated  
192/3.58 .... Electrically triggered

2 192/88B (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/82R . Operators  
192/85R .. Fluid pressure  
192/88R ... Flexible motor  
192/88B .... Radially engaged

2 242/421.6 (2 OR, 0 XR)  
Class 242 : WINDING, TENSIONING, OR GUIDING  
242/410 TENSION CONTROL OR BRAKE  
242/416 . Supply controlled  
242/421 .. Supply coil brake control  
242/421.5 ... Slackness sensor  
242/421.6 .... With power control circuit

2 251/26 (0 OR, 2 XR)  
Class 251 : VALVES AND VALVE ACTUATION  
251/12 FLUID ACTUATED OR RETARDED  
251/25 . Pilot or servo type motor  
251/26 .. Alternative pressure sources or pilot valve

2 303/84.2 (0 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/84.1 FLOW RETARDER  
303/84.2 . Isolation valve

2 303/DIG 10 (0 OR, 2 XR)

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Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/DIG 10 VALVE BLOCK INTEGRATING PUMP, VALVES, SOLENOID,  
ACCUMULATOR, ETC.

2 418/14 (0 OR, 2 XR)  
Class 418 : ROTARY EXPANSIBLE CHAMBER DEVICES  
418/14 WITH DELAYED LOAD

2 418/55.5 (2 OR, 0 XR)  
Class 418 : ROTARY EXPANSIBLE CHAMBER DEVICES  
418/54 WORKING MEMBER HAS PLANETARY OR PLANETATING  
MOVEMENT  
418/55.1 .Helical working member, e.g., scroll  
418/55.5 ..With biasing means, e.g., axial or radial

2 475/141 (0 OR, 2 XR)  
Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR  
COMPONENTS  
475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING  
475/116 .Fluid controlled mechanical clutch or brake  
475/140 ..Spring engaged, fluid released clutch or  
brake device  
475/141 ...Plural devices simultaneously spring engaged

2 475/83 (2 OR, 0 XR)  
Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR  
COMPONENTS  
475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING  
475/83 .Pump and motor in series with planetary  
gearing

2 477/200 (1 OR, 1 XR)  
Class 477 : INTERRELATED POWER DELIVERY CONTROLS,  
INCLUDING ENGINE CONTROL  
477/182 BRAKE CONTROL  
477/199 .Brake engaged when engine energy deactivated,  
brake disengaged when engine energy is activated  
477/200 ..Internal combustion engine